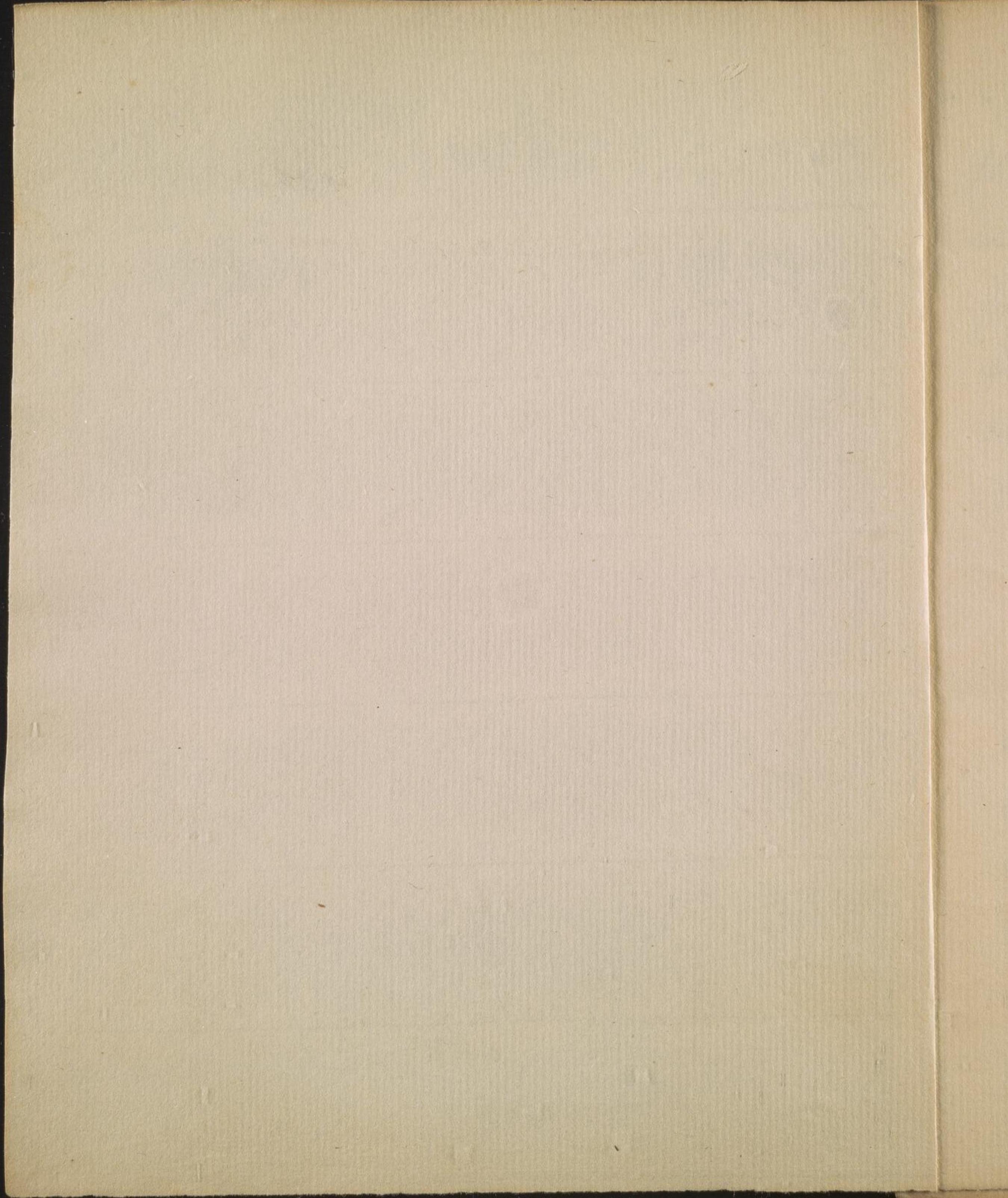
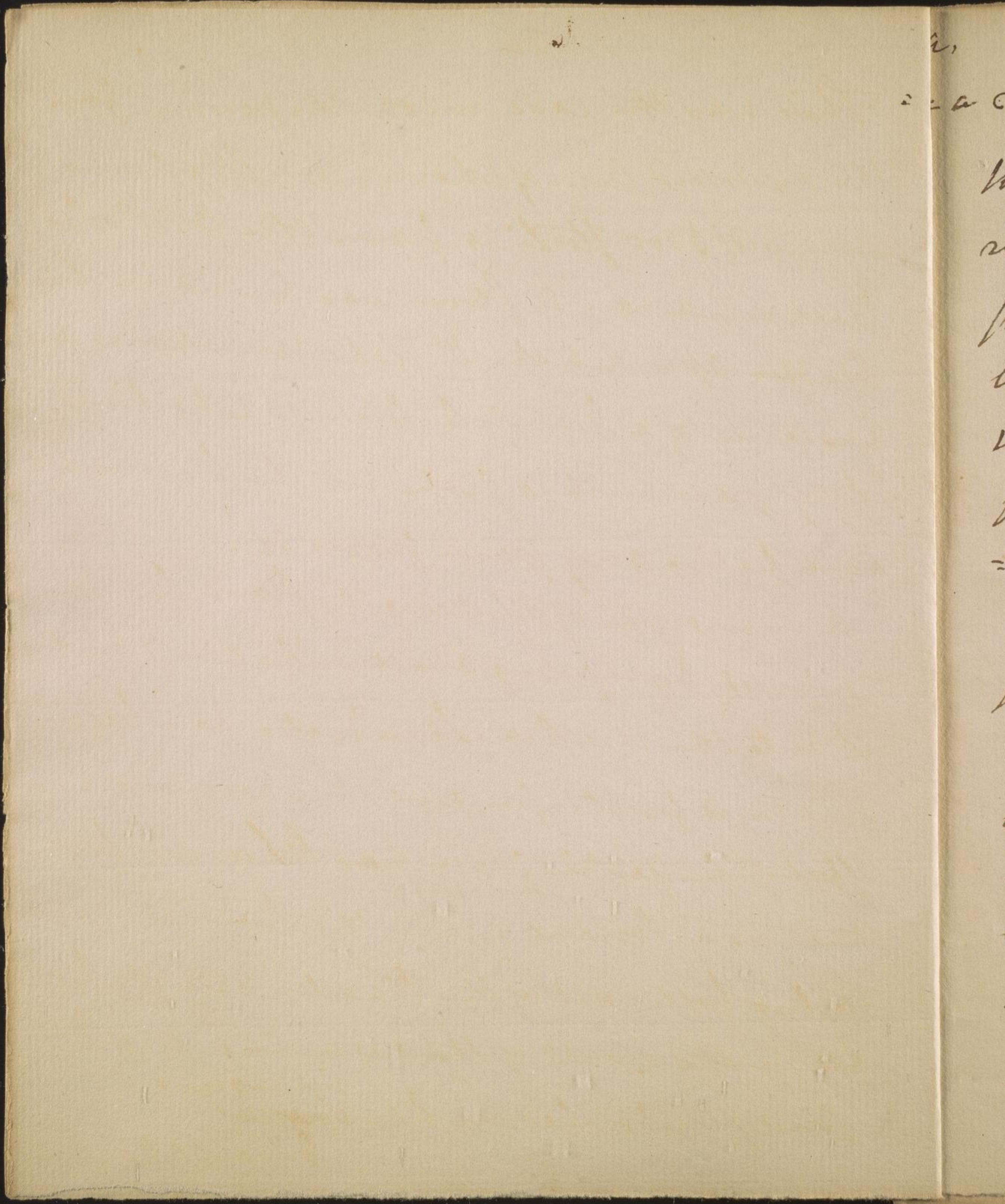


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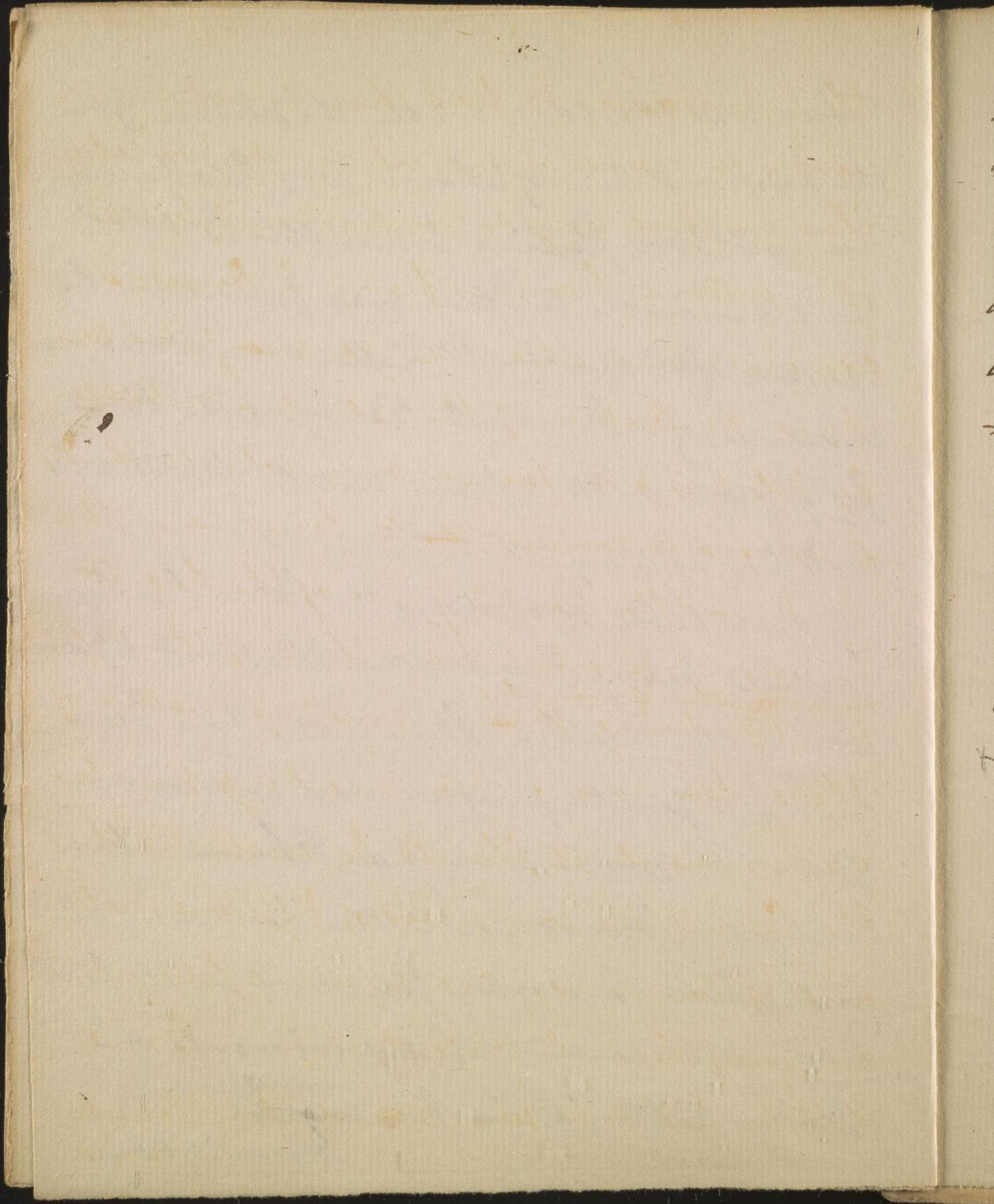
Diseases & Disorders of the
Urinary Organs continued.





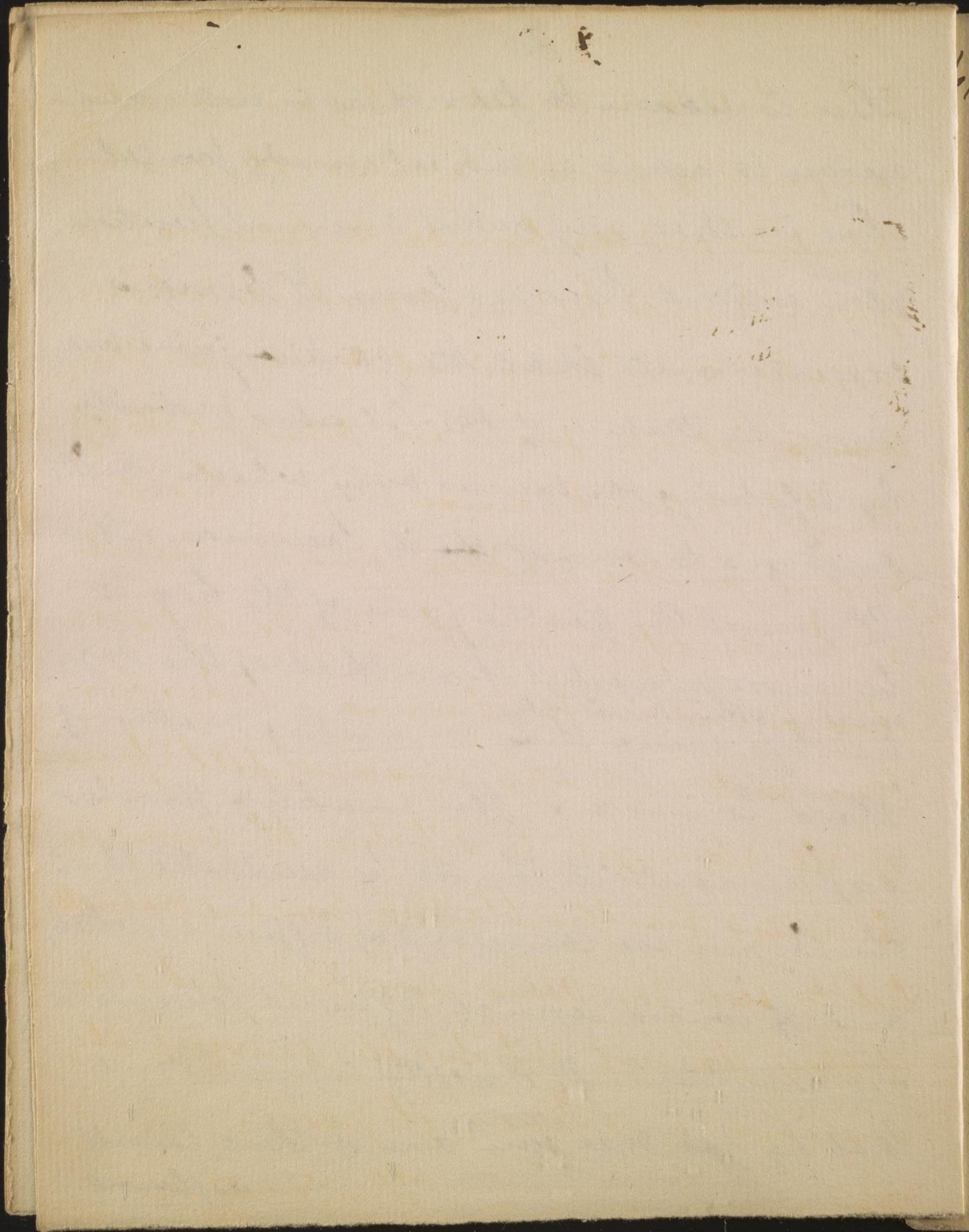
This was the case with the person for
the supposed cure of whom, Mr. Stephens
received 5000 Pounds from the British
Parliament. A stone was found in his
bladder after death. Dr Haller mentions an
instance of a Spanish Bishop who lived
fifty years with a stone in the bladder with-
out feeling any pain from it.

A new mode of dissolving the stone has been
proposed by injecting matter that will dissolve
it into the Urethra. Lime water has been
employed for this purpose, but without any
effect. The Gastric juice has likewise been
tried as a solvent upon the human Cal-
cium both out of the bladder & in it, but
from the result of the experiments of Dr
Dorsey published in his ^{inaugural} ~~original~~
Dissertation



there is reason to fear there is not much
reason to expect a radical remedy for calci-
-tus in that very active animal fection.

It is evident however from Dr Dovay's
experiments that the gastric juice wa-
-akens the texture of the Calculus probably
by dissolving the mucus only which Dr.
Supposes to connect ~~the~~ its lamina. The
Dr found the gastric juice of the hog to
be more powerful than that of the dog,
or any other animal,
in dissolving this connecting matter of
those lamina. In making similar
experiments it should be recollect'd that
the Calculi are composed of different matter,
and of course require different solvents to
act upon them. Dr Priestly informed me
that he had once seen one of these Calculi
inflame



when held to a candle. They are usually composed of fusible Calculus, the muriatic Calculus, and the bone earth Calculus, all of which yield different products when subjected to a chemical analysis. The various Calculi found in other parts of the body differ likewise from those found in the bladder, and the Calculi of brutes differ in their products from those found in the human body. From these facts and the unsuccessfulness of all attempts to dissolve the human Calculi in the bladder, we are naturally led to seek for other remedies - which if they do not dissolve it, prevent its increase, and lessen its pain.

These should be

v when the Culmki are seated in
them.

2 The Cold Bath applied to the whole body, or only to the region of the kidneys; the latter may be done either by pouring buckets of cold water upon the back, or by ~~applying~~^{applying} ~~the~~ cloths dipped in cold water to that part of the body, once or twice a day, and afterwards by rubbing it for 10, or 15 minutes with a dry cloth. I have heard of one instance, and known another, in which cures were performed of nephritic calculi by the latter mode of applying cold water to the external region of the kidneys.

3 Exercise. This should be confined only to calipers in the kidneys. It should moreover be of such a nature as to act ^{indirectly} upon

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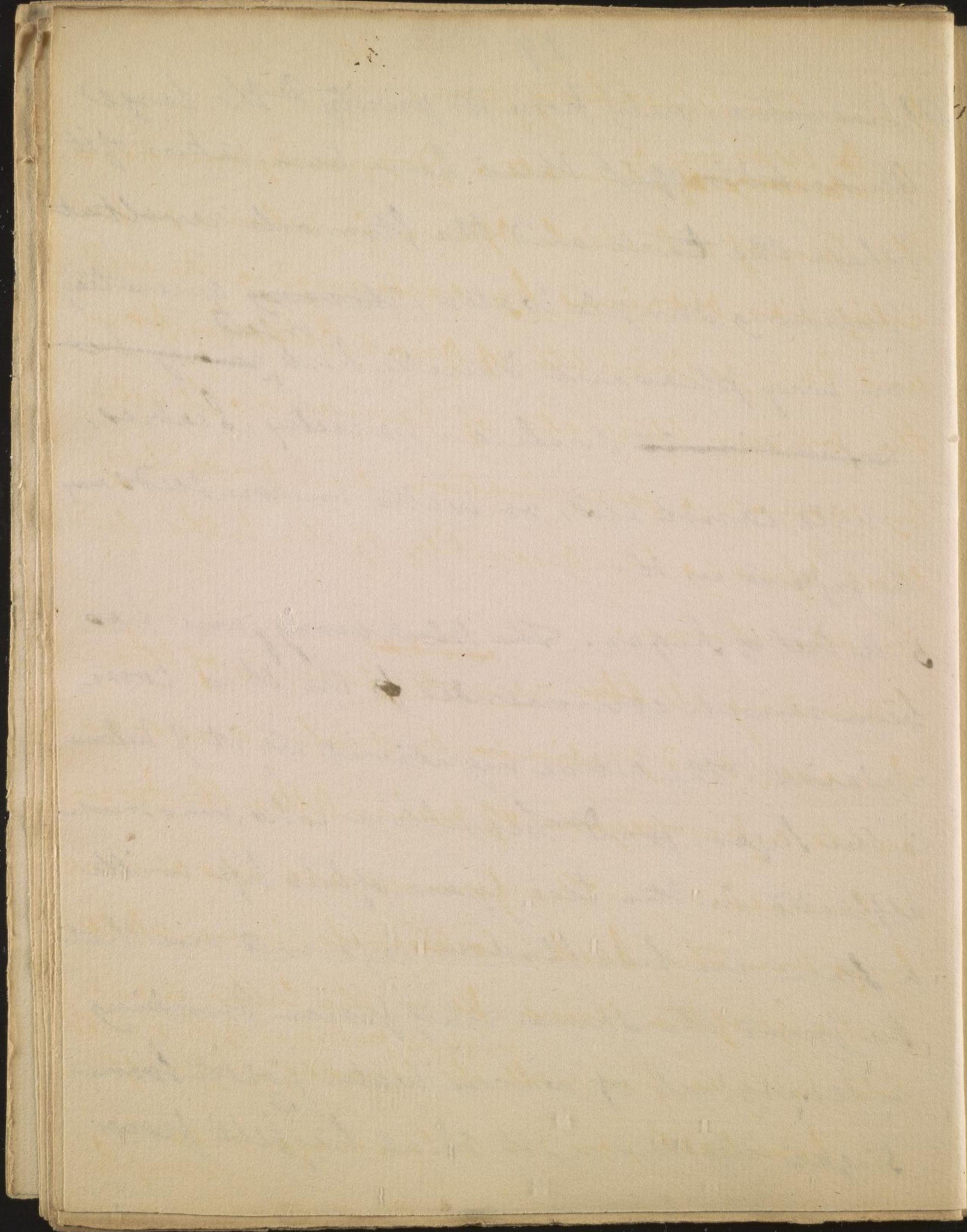
the kidneys. Digging in a garden, and
playing at bowls by gently bending the
body is calculated to have that effect. Ex-
ercise of any kind acts further by pro-
moting perspiration which never fails
to open the quantity of lithic acid in the
urine, and thus to prevent the increased
of the calculi.

4 Drinking large quantities of pure river,
or running water. I have seen obvious good
effects from this remedy. The warm springs
of Virginia and the waters of Ball town I
believe do good in Calculi more by the
quantity taken, than by their quality.
The Schuylkill water has cured this
disease in several of the citizens of

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Philadelphia, only from its purity & the large
quantities of it that have been taken of it.
Where the taste and the stomach revolt at
drinking simple water, it ~~is~~^{may} greater,
or any pleasant diuretic herb, ^{or seed} ~~any but~~
~~infused in it~~ such as parsley, scabies,
wild carrot seed, or water melon seeds may
be infused in it.

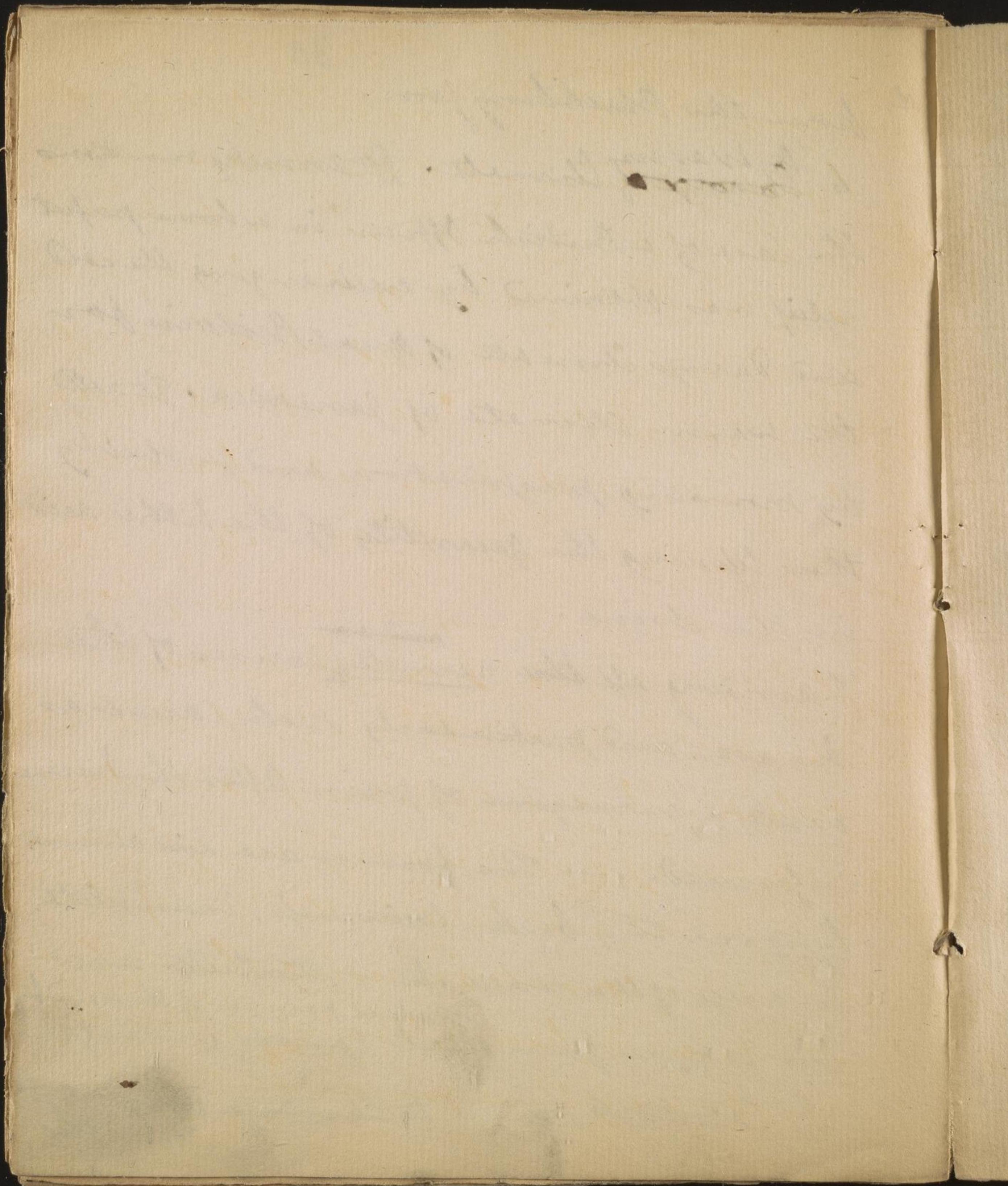
5 A diet of sugar. The Blackberry jam has
been much recommended ~~for~~ in this com-
plaint. The active ingredient in it I believe
is the sugar, for Dr Franklin who was much
afflicted in the last years of his life with
a stone in his bladder informed me that
he found the same relief from drinking
a teacupful of warm water with some
sugar dissolved in it that he ^{had} felt from



from the Blackbury jam.

6 A Warm Climate. Dr. Morley mentions the case of a British Officer in whom perfect relief was obtained by exchanging the cold and damp climate of Great Britain for the warm climate of Jamaica. It acted by promoting perspiration and probably thus lessening the quantity of the lithic acid in the urine.

By avoiding all the ~~remote~~^{and so} causes of the disease, and particularly such causes as excite a surcharge of pain after the disease is formed. — The former are and ailments, lying on the back, constipation; incomplete discharge of the urine, &c — the latter are violent exposures of the mind & body, cold, fatigue from all its causes, riding on horseback, or in a carriage over rough



wards. The last of three exciting cases
brought a severe fit of the disease upon
Dr Franklin in Paris, which led him to
say when he got out of his coach, that
he would never ride in such a carriage
over rough stones again, until he was
first satisfied the driver had a stone in
his bladder as well as himself.

By means of the remedies I have
thus mentioned, I do not know that
I have ever dissolved a stone in the kidneys
or Bladder, but I am sure I have relieved
and destroyed its pain in many instances.

The great secret in the use of these
remedies consists in using them when
the disease is least felt, and in persevering
in the use of them for several years. —

